

12/28/01
J1040 U.S. PTO

Please type a plus sign (+) inside this box → ☐

01-09-02

PTO/SB/05 (08-00) (modified)

Approved for use through 9/30/2001, OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

NEW UTILITY PATENT APPLICATION TRANSMITTAL <i>(only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket Number	21192-06625
	First Named Inventor	Tommy K. Eng
	Title	CREATING OPTIMIZED PHYSICAL IMPLEMENTATIONS FROM HIGH-LEVEL DESCRIPTIONS OF ELECTRONIC DESIGN USING PLACEMENT-BASED INFORMATION
	Express Mail Label No.	EL734639304US

APPLICATION ELEMENTS	ACCOMPANYING APPLICATION PARTS
1. <input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)	7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))
2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	8. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)
3. <input checked="" type="checkbox"/> Specification Total Pages <input type="text" value="46"/> <i>(preferred arrangement set forth below)</i> <input type="checkbox"/> Descriptive Title of the Invention <input type="checkbox"/> Cross Reference(s) to Related Case(s) <input type="checkbox"/> Statement Regarding Fed sponsored R & D <input type="checkbox"/> Background of the Invention <input type="checkbox"/> Brief Summary of the Invention <input type="checkbox"/> Brief Description of the Drawing(s) <input type="checkbox"/> Detailed Description <input type="checkbox"/> Claim or Claims <input type="checkbox"/> Abstract of the Disclosure	9. <input type="checkbox"/> Power of Attorney or Authorization of Agent 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement 11. <input type="checkbox"/> Preliminary Amendment 12. <input type="checkbox"/> Information Disclosure Statement & PTO-1449 <input type="checkbox"/> Copies of IDS Citation(s) 13. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) Total Sheets <input type="text" value="14"/>	14. <input checked="" type="checkbox"/> Return Postcard
5. Oath or Declaration a. <input type="checkbox"/> New Declaration Total Pages <input type="text" value="2"/> <input type="checkbox"/> Executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	15. <input type="checkbox"/> 16. <input type="checkbox"/> 17. <input type="checkbox"/>
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	ADDRESS TO: Box Patent Application Commissioner for Patents Washington, DC 20231

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 09/634,927

Prior application information: Examiner: Thuan V. Do Group/Art Unit: 2825

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number and Bar Code
Label



00758

Name (Print/Type)	Neil F. Valore	Registration No. (Attorney/Agent)	42,833
Signature		Date	December 28, 2001

0002/PTO(modified) Rev. 10/2000 <div style="text-align: center;">FEE TRANSMITTAL</div> <div style="text-align: center;">TOTAL AMOUNT OF PAYMENT</div> Subtotal (1) + Subtotal (2) + Subtotal (3) = (\$ 370.00)	<div style="text-align: center;">Complete if Known</div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Application Number</td><td>NEW</td></tr> <tr><td>Filing Date</td><td>HEREWITH</td></tr> <tr><td>First Named Inventor</td><td>Tommy K. Eng</td></tr> <tr><td>Group Art Unit</td><td>2825</td></tr> <tr><td>Examiner Name</td><td>Thuan V. Do</td></tr> <tr><td>Attorney Docket Number</td><td>21192-06625</td></tr> </table>	Application Number	NEW	Filing Date	HEREWITH	First Named Inventor	Tommy K. Eng	Group Art Unit	2825	Examiner Name	Thuan V. Do	Attorney Docket Number	21192-06625
Application Number	NEW												
Filing Date	HEREWITH												
First Named Inventor	Tommy K. Eng												
Group Art Unit	2825												
Examiner Name	Thuan V. Do												
Attorney Docket Number	21192-06625												

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																						
1. The Commissioner is hereby authorized to: <input type="checkbox"/> Charge the indicated fees to the below mentioned deposit account. <input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account. [†] <input checked="" type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27 Deposit Account Number: 19-2555 Deposit Account Name: FENWICK & WEST LLP A Duplicate Copy of this authorization is attached 2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Other	3. ADDITIONAL FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee Code/Fee</th> <th style="text-align: left;">Small Entity Fee Code/Fee</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: left;">Fee Due</th> </tr> </thead> <tbody> <tr><td>105/\$130</td><td>205/\$65</td><td>Surcharge - late filing fee or oath</td><td><input type="text"/></td></tr> <tr><td>127/\$50</td><td>227/\$25</td><td>Surcharge-late provisional filing fee or cover sheet</td><td><input type="text"/></td></tr> <tr><td>147/\$2,520</td><td>147/\$2,520</td><td>For filing a request for reexamination</td><td><input type="text"/></td></tr> <tr><td>115/\$110</td><td>215/\$55</td><td>Extension for response within first month[†]</td><td><input type="text"/></td></tr> <tr><td>116/\$400</td><td>216/\$200</td><td>Extension for response within second month[†]</td><td><input type="text"/></td></tr> <tr><td>117/\$920</td><td>217/\$460</td><td>Extension for response within third month[†]</td><td><input type="text"/></td></tr> <tr><td>118/\$1,440</td><td>218/\$720</td><td>Extension for response within fourth month[†]</td><td><input type="text"/></td></tr> <tr><td>128/\$1,960</td><td>228/\$980</td><td>Extension for response within fifth month[†]</td><td><input type="text"/></td></tr> <tr><td>119/\$320</td><td>219/\$160</td><td>Notice of Appeal</td><td><input type="text"/></td></tr> <tr><td>141/\$1,280</td><td>241/\$640</td><td>Petition to revive unintentionally abandoned application</td><td><input type="text"/></td></tr> <tr><td>142/\$1,280</td><td>242/\$640</td><td>Utility Issue Fee (Or Reissue)</td><td><input type="text"/></td></tr> <tr><td>143/\$460</td><td>243/\$230</td><td>Design Issue Fee</td><td><input type="text"/></td></tr> <tr><td>122/\$130</td><td>122/\$130</td><td>Petitions to the Commissioner</td><td><input type="text"/></td></tr> <tr><td>126/\$180</td><td>126/\$180</td><td>Submission of Information Disclosure Statement</td><td><input type="text"/></td></tr> <tr><td>179/\$740</td><td>279/\$370</td><td>Request for Continued Examination (RCE)</td><td><input type="text"/></td></tr> <tr><td>581/\$40</td><td>581/\$40</td><td>Recording each patent assignment per property (times number of properties)</td><td><input type="text"/></td></tr> <tr><td>146/\$740</td><td>246/\$370</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td><input type="text"/></td></tr> <tr><td>149/\$740</td><td>249/\$370</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td><input type="text"/></td></tr> <tr><td colspan="3">Other fee (specify):</td><td><input type="text"/></td></tr> <tr><td colspan="3">Other fee (specify):</td><td><input type="text"/></td></tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL (3)</td> <td>(\$ 0)</td> </tr> </tbody> </table>	Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due	105/\$130	205/\$65	Surcharge - late filing fee or oath	<input type="text"/>	127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet	<input type="text"/>	147/\$2,520	147/\$2,520	For filing a request for reexamination	<input type="text"/>	115/\$110	215/\$55	Extension for response within first month [†]	<input type="text"/>	116/\$400	216/\$200	Extension for response within second month [†]	<input type="text"/>	117/\$920	217/\$460	Extension for response within third month [†]	<input type="text"/>	118/\$1,440	218/\$720	Extension for response within fourth month [†]	<input type="text"/>	128/\$1,960	228/\$980	Extension for response within fifth month [†]	<input type="text"/>	119/\$320	219/\$160	Notice of Appeal	<input type="text"/>	141/\$1,280	241/\$640	Petition to revive unintentionally abandoned application	<input type="text"/>	142/\$1,280	242/\$640	Utility Issue Fee (Or Reissue)	<input type="text"/>	143/\$460	243/\$230	Design Issue Fee	<input type="text"/>	122/\$130	122/\$130	Petitions to the Commissioner	<input type="text"/>	126/\$180	126/\$180	Submission of Information Disclosure Statement	<input type="text"/>	179/\$740	279/\$370	Request for Continued Examination (RCE)	<input type="text"/>	581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	<input type="text"/>	146/\$740	246/\$370	Filing a submission after final rejection (37 CFR 1.129(a))	<input type="text"/>	149/\$740	249/\$370	For each additional invention to be examined (37 CFR 1.129(b))	<input type="text"/>	Other fee (specify):			<input type="text"/>	Other fee (specify):			<input type="text"/>	SUBTOTAL (3)			(\$ 0)														
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due																																																																																																				
105/\$130	205/\$65	Surcharge - late filing fee or oath	<input type="text"/>																																																																																																				
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet	<input type="text"/>																																																																																																				
147/\$2,520	147/\$2,520	For filing a request for reexamination	<input type="text"/>																																																																																																				
115/\$110	215/\$55	Extension for response within first month [†]	<input type="text"/>																																																																																																				
116/\$400	216/\$200	Extension for response within second month [†]	<input type="text"/>																																																																																																				
117/\$920	217/\$460	Extension for response within third month [†]	<input type="text"/>																																																																																																				
118/\$1,440	218/\$720	Extension for response within fourth month [†]	<input type="text"/>																																																																																																				
128/\$1,960	228/\$980	Extension for response within fifth month [†]	<input type="text"/>																																																																																																				
119/\$320	219/\$160	Notice of Appeal	<input type="text"/>																																																																																																				
141/\$1,280	241/\$640	Petition to revive unintentionally abandoned application	<input type="text"/>																																																																																																				
142/\$1,280	242/\$640	Utility Issue Fee (Or Reissue)	<input type="text"/>																																																																																																				
143/\$460	243/\$230	Design Issue Fee	<input type="text"/>																																																																																																				
122/\$130	122/\$130	Petitions to the Commissioner	<input type="text"/>																																																																																																				
126/\$180	126/\$180	Submission of Information Disclosure Statement	<input type="text"/>																																																																																																				
179/\$740	279/\$370	Request for Continued Examination (RCE)	<input type="text"/>																																																																																																				
581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	<input type="text"/>																																																																																																				
146/\$740	246/\$370	Filing a submission after final rejection (37 CFR 1.129(a))	<input type="text"/>																																																																																																				
149/\$740	249/\$370	For each additional invention to be examined (37 CFR 1.129(b))	<input type="text"/>																																																																																																				
Other fee (specify):			<input type="text"/>																																																																																																				
Other fee (specify):			<input type="text"/>																																																																																																				
SUBTOTAL (3)			(\$ 0)																																																																																																				
FEE CALCULATION (fees effective 10/01/2000) 1. FILING FEE <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee Code/Fee</th> <th style="text-align: left;">Small Entity Fee Code/Fee</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: left;">Fee Due</th> </tr> </thead> <tbody> <tr><td>101/\$740</td><td>201/\$370</td><td>Utility Filing</td><td>370</td></tr> <tr><td>106/\$330</td><td>206/\$165</td><td>Design Filing</td><td><input type="text"/></td></tr> <tr><td>108/\$740</td><td>208/\$370</td><td>Reissue</td><td><input type="text"/></td></tr> <tr><td>114/\$160</td><td>214/\$80</td><td>Provisional Filing</td><td><input type="text"/></td></tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL (1)</td> <td>(\$ 370)</td> </tr> </tbody> </table> 2. CLAIMS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee Code/Fee</th> <th style="text-align: left;">Small Entity Fee Code/Fee</th> <th style="text-align: left;">Fee Description</th> </tr> </thead> <tbody> <tr><td>103/\$18</td><td>203/\$9</td><td>Claims in excess of 20</td></tr> <tr><td>102/\$84</td><td>202/\$42</td><td>Independent claims in excess of 3</td></tr> <tr><td>104/\$280</td><td>204/\$140</td><td>Multiple dependent claim</td></tr> <tr><td>109/\$84</td><td>209/\$42</td><td>Reissue independent claims over original patent</td></tr> <tr><td>110/\$18</td><td>210/\$9</td><td>Reissue claims in excess of 20 and over original patent</td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">(Col. 1)</th> <th colspan="2">(Col. 2)</th> <th colspan="2">(Col. 3)</th> <th colspan="2"></th> <th colspan="2"></th> </tr> <tr> <th>For</th> <th>No. of Existing Claims</th> <th>minus*</th> <th>Highest No. Previously Paid For</th> <th>=</th> <th>Extra**</th> <th>x</th> <th>Fee</th> <th>=</th> <th>Fee Due</th> </tr> </thead> <tbody> <tr> <td>TOTAL</td> <td>2</td> <td>minus*</td> <td>20 or 0</td> <td>=</td> <td>0</td> <td>x</td> <td>9</td> <td>=</td> <td>0</td> </tr> <tr> <td>INDEP</td> <td>2</td> <td>minus*</td> <td>3 or 0</td> <td>=</td> <td>0</td> <td>x</td> <td>42</td> <td>=</td> <td>0</td> </tr> <tr> <td colspan="10">[] First presentation of multiple dependent claim</td> </tr> <tr> <td colspan="8" style="text-align: right;">SUBTOTAL (2)</td> <td colspan="2">(\$ 0)</td> </tr> </tbody> </table>	Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due	101/\$740	201/\$370	Utility Filing	370	106/\$330	206/\$165	Design Filing	<input type="text"/>	108/\$740	208/\$370	Reissue	<input type="text"/>	114/\$160	214/\$80	Provisional Filing	<input type="text"/>	SUBTOTAL (1)			(\$ 370)	Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	103/\$18	203/\$9	Claims in excess of 20	102/\$84	202/\$42	Independent claims in excess of 3	104/\$280	204/\$140	Multiple dependent claim	109/\$84	209/\$42	Reissue independent claims over original patent	110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent	(Col. 1)		(Col. 2)		(Col. 3)						For	No. of Existing Claims	minus*	Highest No. Previously Paid For	=	Extra**	x	Fee	=	Fee Due	TOTAL	2	minus*	20 or 0	=	0	x	9	=	0	INDEP	2	minus*	3 or 0	=	0	x	42	=	0	[] First presentation of multiple dependent claim										SUBTOTAL (2)								(\$ 0)		<p>* Subtract the greater number of Col. 2</p> <p>** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3</p>
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due																																																																																																				
101/\$740	201/\$370	Utility Filing	370																																																																																																				
106/\$330	206/\$165	Design Filing	<input type="text"/>																																																																																																				
108/\$740	208/\$370	Reissue	<input type="text"/>																																																																																																				
114/\$160	214/\$80	Provisional Filing	<input type="text"/>																																																																																																				
SUBTOTAL (1)			(\$ 370)																																																																																																				
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description																																																																																																					
103/\$18	203/\$9	Claims in excess of 20																																																																																																					
102/\$84	202/\$42	Independent claims in excess of 3																																																																																																					
104/\$280	204/\$140	Multiple dependent claim																																																																																																					
109/\$84	209/\$42	Reissue independent claims over original patent																																																																																																					
110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent																																																																																																					
(Col. 1)		(Col. 2)		(Col. 3)																																																																																																			
For	No. of Existing Claims	minus*	Highest No. Previously Paid For	=	Extra**	x	Fee	=	Fee Due																																																																																														
TOTAL	2	minus*	20 or 0	=	0	x	9	=	0																																																																																														
INDEP	2	minus*	3 or 0	=	0	x	42	=	0																																																																																														
[] First presentation of multiple dependent claim																																																																																																							
SUBTOTAL (2)								(\$ 0)																																																																																															

SUBMITTED BY Typed or Printed Name: <u>Ne F. Maloney</u> Signature:	Complete (if applicable) Reg. Number: 42,833 Date: December 23, 2001
--	---